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Clostridium butyricum-containing Probiotic

National Cancer Institute

Source

National Cancer Institute. *Clostridium butyricum-containing Probiotic*. NCI Thesaurus. Code C122837.

A probiotic containing the anaerobic, butyric acid-forming Gram-positive bacterium *Clostridium butyricum* (*C. butyricum*), with potential immunomodulatory activity. Upon oral administration of *C. butyricum*-containing probiotic, *C. butyricum* modulates the composition of the normal gastrointestinal (GI) microflora and help maintain adequate colonization of the GI tract, thereby improving digestion and preventing GI disturbances. This bacterium creates an environment unfavorable to pathogens by adhering to human epithelial cells, thereby forming a protective mucosal barrier. This prevents attachment of pathogens and reduces the risk of infection. Dietary supplementation with this bacterium may restore or enhance intestinal immunity.